

## 7.0 References

- Azzout, Y., Barraud, S., Cres, F. N., and Alfakih, E. (1995) Decision Aids for Alternative Techniques in Urban Storm Management, *Water Science and Technology*, 32 (1): 41-48.
- Barbe, D.E., Miller, H., and Jalla, S. (1993) Development of a Computer Interface among GDS, SCADA and SWMM for Use in Urban Runoff Simulation. In Harlin, J.M and Lanfear, K.J. (eds.) *Proc. of the Symposium on Geographic Information Systems and Water Resources*. American Water Resources Association, Bethesda, MD. p. 113-120.
- Battin, A., Kinerson, R., and Lahlou, M. (1998) *EPA's Better Assessment Science Integrating Point and Nonpoint Sources (BASINS)-A Powerful Tool for Managing Watersheds*. Internet file retrieved 11/6/98 from The Center for Research in Water Resources, The University of Texas at Austin.  
<http://www.crrwr.utexas.edu/gis/gishyd98/epa/battin/p447.htm>.
- Bellal, M., Sillen, X., and Zech, Y. (1996) Coupling GIS with a Distributed Hydrological Model for Studying the Effect of Various Urban Planning Options on Rainfall-Runoff Relationships in Urbanized Watersheds. In Kovar, K., and Nachtnebel, H.P. (eds.) *HydroGIS '96: Application of Geographic Information Systems in Hydrology and Water Resources Management*. International Association of Hydrologic Sciences Publication No. 235. IAHS Press, Wallingford, UK. p. 99-106.
- Brown and Caldwell and Camp, Dresser and McKee (1997) *Boulder Creek Watershed Study*, Phase I, November, 1997. Prepared for the City of Boulder.
- Butler, D. and Maksimovic, C. (eds.) (1998) *UDM '98 Fourth International Conf. on Developments in Urban Drainage Modeling*. Imperial College of Science, Technology & Medicine, London, UK.
- CAiCHE (1998) Visual Hydro Software, Tampa, FL.
- Charnock, T.W., Hedges, P.D., and Elgy, J. (1996) Linking multiple process models with GIS. In Kovar, K., and Nachtnebel, H.P. (eds.) *HydroGIS '96: Application of Geographic Information Systems in Hydrology and Water Resources Management*. International Association of Hydrologic Sciences Publication No. 235. IAHS Press, Wallingford, UK. p. 29-36.
- Cluis, D., Martz, L., Quentin, E., and Rechatin, C. (1996) Coupling GIS and DEM to Classify the Hortonian Pathways of Non-point Sources to the Hydrologic Network. In Kovar, K., and Nachtnebel, H.P. (eds.) *HydroGIS '96: Application of Geographic Information Systems in Hydrology and Water Resources Management*. International Association of Hydrologic Sciences Publication No. 235. IAHS Press, Wallingford, UK. p. 37-44.
- Computational Hydraulics International (CHI) (1998) PCSWMM, PCSWMM GIS Software, Guelph, Ontario, Canada.
- da Costa, J.R, Lacerda, M., and Jesus, H.B. (1995) The Portuguese Water Resources

- Information System: Using OOP to Integrate Time Series and GIS. *Proc. of 1995 ESRI User Conference*. Internet file retrieved from <http://www.esri.com/library/userconf/proc95/to300/p296.html>
- da Costa, J.R., Jesus, H.B., and Lacerida, M. (1996) Integrating GIS and Time Series Analysis for Water Resources Management in Portugal. In Kovar, K., and Nachtnebel, H.P. (eds.) *HydroGIS '96: Application of Geographic Information Systems in Hydrology and Water Resources Management*. International Association of Hydrologic Sciences Publication No. 235. IAHS Press, Wallingford, UK. p. 289-297.
- Davis, J. R., Nanninga, P. M., Biggins, J., and Laut, P. (1991) Prototype Decision Support System for Analyzing Impact of Catchment Policies, *Journal of Water Resources Planning and Management*, 117 (4): 399-414.
- DeVantier, B.A. and Feldman, A.D. (1993) Review of GIS Applications in Hydrologic Modeling, *Journal of Water Resources Planning and Management*, 119 (2): 246-261.
- Dewberry and Davis (1996) *Land Development Handbook*. McGraw-Hill, New York.
- DHI, Inc. (1998) Mouse, Mike, MikeSHE, NAM, WUS, MikeInfo, MikeSWMM Software, Copenhagen, Denmark.
- Dion, T.R. (1993) *Land Development for Civil Engineers*. Wiley-Interscience, New York.
- Driscoll, E. D. (1993) A Decision Support System for Highway Runoff Monograph: in: James, W., (Ed.) *New Techniques for Modeling of Stormwater Quality Impacts*, p. 101-122, Guelph, ON.
- ESRI (1998) Internet page: <http://www.esri.com>, Redlands, CA.
- Fankhauser, R. (1998) Automatic Determination of Imperviousness in Urban Areas from Digital Orthophotos. In *UDM '98, the Fourth International Conference on Developments in Urban Drainage Modeling*, Butler, D. and Maksimovic, C. (Eds.) 21-24 September, 1998, London, UK, IAWQ/IAHR, pages 321-326.
- Federal Highway Administration (1996) *Urban Drainage Design Manual*, HEC No. 22, FHWA-SA-96-078, Washington, D.C.
- Fedra, K. and Jamieson, D. G. (1996) The 'Water Ware' Decision-Support System for River-Basin Planning. 2. Planning Capability, *Journal of Hydrology*, 177 (3/4), p. 177-198.
- Feinberg, D., and Uhrick, S.W. (1997) Integrating GIS with Water and Wastewater Hydraulic Models. *Proc. of 1997 ESRI User Conference*. Internet file retrieved from <http://www.esri.com/library/userconf/proc97/PROC97/TO200/PAP199/P199.HTM>
- Fuchs, L., and Scheffer, C. (1996) Hydroinformatic Tools in Urban Drainage. In Seiker, F., and Verworn, H.R. (eds.). *IAHR/IAWQ Proc. of the 7<sup>th</sup> Annual Conf. on Urban Storm Drainage*. Hannover, Germany. Vols. III, p. 1587-1592.
- Fulp, T., Harkins, J., Williams, B., Vickers, B., King, D., Martin, K., Shiao, L (1994)

- Decision Support for Water Resources Management in the Colorado River*, United States Bureau of Reclamation; Boulder City, NV.
- Greene, R.G. and Cruise, J.F. (1995) Urban Watershed Modeling Using Geographic Information System, *Journal of Water Resources Planning and Management*, 121 (4): 318-325.
- Gregory, M. and James, W. (1995) Management of Time-Series Data for Long-Term, Continuous Stormwater Modeling. Chapter 8 in James, W. (Ed.) *Advances in Modeling the Management of Stormwater Impacts*, Computational Hydraulics International, Guelph, Ontario, Canada.
- Hallam, C.A., Salisbury, J.M., Lanfear, K.J., and Battaglin, W.A. (eds.) (1996) *Proc. of the AWRA Annual Symposium: GIS and Water Resources*. American Water Resources Association, Herndon, VA.
- Harlin, J.M and Lanfear, K.J. (eds.) (1993) *Proc. of the Symposium on Geographic Information Systems and Water Resources*. American Water Resources Association, Bethesda, MD.
- Hauber, S.M. and Joeres, E.F. (1996) Using a GIS for Estimating Input Parameters in Urban Stormwater Quality Modeling, *Water Resources Bulletin* 32(6), p. 1341-1352.
- Heaney, J. P., Wright, L., and Sample, D. (1998) Research Needs in Wet Weather Flows, Final Report of Project 96-IRM-1, Water Environment Federation, Alexandria, VA.
- Heaney, J.P., Sample, D., and Wright, L. (1999a) Costs of Urban Stormwater Systems, Report to the US EPA, Edison, NJ.
- Heaney, J.P., Wright, L., and Sample, D. (1999b) Innovative Methods for Optimization of Urban Stormwater Systems, Report to the US EPA, Edison, NJ.
- Hellweger, F. (1996) *TABHYD-TR55 Tabular Hydrograph Method in ArcView*. Internet file retrieved from The Center for Research in Water Resources, The University of Texas at Austin.  
<http://www.crwr.utexas.edu/gis/gishyd98/runoff/webfiles/TABHYD/TABHYD.HTM>
- Hellweger, F. and Maidment, D. (1999) Definition and Connection of Hydrologic Elements using Geographic Data, *Journal of Hydrologic Engineering*, 4 (1): 10-18.
- Herath, S., Musiame, K., and Hironaka, S. (1996) Development and Application of a GIS Based Distributed Catchment Model for Urban Areas. In Seiker, F., and Verworn, H.R. (eds.) *IAHR/IAWQ Proc. of the 7<sup>th</sup> Annual Conf. on Urban Storm Drainage*. Hannover, Germany. Vols. III, p. 1695-1700.
- Hora, J., Kuby, R., and Suchanek, M. (1998) Information Technologies and Hydroinformatic Tools in the Town of Pilsen. In Butler, D. and Maksimovic, C. (eds.) *UDM '98 Fourth International Conf. on Developments in Urban Drainage Modeling*. Imperial College of Science, Technology & Medicine, London, UK.

- p. 481- 486.
- HR-Wallingford, Inc. (1998) Hydroworks, Infoworks Software, Wallingford, Oxfordshire, UK.
- Huber, W.C. and Dickinson, R.E. (1988) *Storm Water Management Model User's Manual, Version 4*, EPA/600/3-88/001a (NTIS PB88-236641/AS), Environmental Protection Agency, Athens, GA, 1988.
- Jamieson, D. G. and Fedra, K. (1996a) The 'Water Ware' Decision-Support System for River-Basin Planning. 1. Conceptual Design, *Journal of Hydrology*, 177 (3/4), p. 163-175.
- Jamieson, D. G. and Fedra, K. (1996b) The 'Water Ware' Decision-Support System for River-Basin Planning. 3. Example Applications, *Journal of Hydrology*, 177 (3/4), p. 199-211.
- Kim, H.-B., Kim, K.-M., and Lee, J.-C. (1998) Sewer Alternative Generation Using GIS and Simulation Models in a Planning Support System. Internet file retrieved from the *ESRI 1998 International User Conference*, <http://www.esri.com/library/userconf/proc98/PROCEED/>
- Kopp, S.M. (1996) Linking GIS and Hydrologic Models: Where Have We Been, Where Are We Going? In Kovar, K., and Nachtnebel, H.P. (eds.) *HydroGIS '96: Application of Geographic Information Systems in Hydrology and Water Resources Management*. International Association of Hydrologic Sciences Publication No. 235. IAHS Press, Wallingford, UK. p. 133-139.
- Kovar, K., and Nachtnebel, H.P. (eds.) (1996) *HydroGIS '96: Application of Geographic Information Systems in Hydrology and Water Resources Management*. International Association of Hydrologic Sciences Publication No. 235. IAHS Press, Wallingford, UK.
- Lavallee, P., Marcoux, C., Bonin, R., (1996) Performance of an Integrated Real Time Control System: Application to CSOs Control, in *WEF Urban Wet Weather Pollution*, Controlling Sewer Overflows and Stormwater Runoff, p. 12.13-12-22, Alexandria, VA.
- Litman, T. (1998) *Transportation Cost Analysis: Techniques, Estimates and Implications*. Victoria Transport Policy Institute, Victoria, British Columbia.
- Makropoulos, C., Butler, D., and Maksimovic, C. (1998) A GIS Based Methodology for the Evaluation of Suitability of Urban Areas for Source Control Application. In Butler, D. and Maksimovic, C. (eds.) *UDM '98 Fourth International Conf. on Developments in Urban Drainage Modeling*. Imperial College of Science, Technology & Medicine, London, UK. p. 59-66.
- Mark, O., van Kalken T., Rabbi, K., and Kjelds, J. (1997) A Mouse GIS Study of the Drainage in Dhaka City. *Proc. of the 1997 ESRI User Conference*. Internet file retrieved from <http://www.esri.com/library/userconf/proc97/PROC97/TO500/PAP487/P487.HTM>
- Mercado, R.M. (1996) Geographic Information Systems (GIS) and Image Processing for

- Stormwater Management Modeling Using XPSWMM in Tallahassee, Florida. In Hallam, C.A., Salisbury, J.M., Lanfear, K.J., and Battaglin, W.A. (eds.) *Proc. of the AWRA Annual Symposium: GIS and Water Resources*. American Water Resources Association, Herndon, VA. p. 305-313.
- Meyer, S.P., Salem, T.H., and Labadie, J.W. (1993) Geographic Information Systems in Urban Storm-Water Management, *Journal of Water Resources Planning and Management*, 119 (2): 206-228.
- Miles, S.W. and Heaney, J.P. (1988) Better than “Optimal” Method for Designing Drainage Systems. *Journal of Water Resources Planning and Management*, 114(5): 477-499.
- Olivera, F, Reed, S., and Maidment, D. (1998) HEC-PrePro v.2.0: An ArcView Pre-Processor for HEC's Hydrologic Modeling System. *1998 ESRI User's Conference*, San Diego, CA.  
<http://www.esri.com/library/userconf/proc98/PROCEED.HTM>
- Olivera, F., Maidment, D.R., and Charbeneau, R.J. (1996) *Spatially Distributed Modeling of Storm Runoff and Non-Point Source Pollution Using Geographic Information Systems (GIS)*. CRWR Online Report 96-4. Internet file retrieved from The Center for Research in Water Resources, The University of Texas at Austin.  
<http://www.crwr.utexas.edu/gis/gishyd98/library/olivera/header.htm>
- Palisade Corporation (1998) @Risk, Evolver Software, Newfield, NY.
- Prince Georges County (1997) *Low-Impact Development Design Manual*, Prince Georges County, Largo, MD, November, 1997.
- Pryl, K., Vanecek, S., and Vasek, P. (1998) Data Processing and Manipulation Tools Used for Urban Drainage Systems. In Butler, D. and Maksimovic, C. (eds.) *UDM '98 Fourth International Conf. on Developments in Urban Drainage Modeling*. Imperial College of Science, Technology & Medicine, London, UK. p. 327- 332.
- R.S. Means (1996a) *Heavy Construction Cost Data*, 10<sup>th</sup> Annual Edition, R.S. Means Company, Inc., Kingston, MA.
- R.S. Means (1996b) *Landscaping Unit Cost Data*, R.S. Means Company, Inc., Kingston, MA.
- Refsgaard, J.C., Storm, B. and Refsgaard, A. (1995) Recent Developments of the Systeme Hydrologique Europeen (SHE) Towards the MIKE SHE. In Simonovic, S., Kundzewicz, Z., Rosbjerg, D., and Takeuchi, K. (eds.) *Modeling and Management of Sustainable Basin-Scale Water Resource Systems*. International Hydrologic Sciences Publication No. 231. IAHS Press, Wallingford, UK. p. 427-434.
- Reitsma, R. F. (1996) Structure and Support of Water-Resource Management and Decision-Making, *Journal of Hydrology*, 177 (3/4), p. 253-268.
- Reitsma, R. F., Zagana, E.A., Chapra, S.C., and Strzepek, K.M. (1996) Decision Support Systems (DSS) for Water Resources Management, chapter 33 in Mays, L.W.

- (Ed.) *Water Resources Handbook*, McGraw-Hill, New York, NY.
- Ribeiro, C.T. (1996) Impact of Land Use on Water Resources: Integrating HSPF and a Raster-Vector GIS. In Kovar, K., and Nachtnebel, H.P. (eds.) *HydroGIS '96: Application of Geographic Information Systems in Hydrology and Water Resources Management*. International Association of Hydrologic Sciences Publication No. 235. IAHS Press, Wallingford, UK. p. 349-356.
- Riley, A. (1998) *Restoring Streams in Cities, A Guide for Planners, Policymakers, and Citizens*. Island Press,
- Rodriguez, F., Andrieu, H., Creutin, J.D., and Raimbault, G. (1998) Relevance of Geographic Information Systems for Urban Hydrological Analysis. In Butler, D. and Maksimovic, C. (eds.) *UDM '98 Fourth International Conf. on Developments in Urban Drainage Modeling*. Imperial College of Science, Technology & Medicine, London, UK. p. 333-340.
- Scarborough, R.W., and Yetter, C.H. (1998) A Case Study Evaluation of the ArcView/Non-point Source Module Interface in EPA's BASINS 2.0 Watershed Model. Internet file retrieved from the *1998 ESRI International User's Conference*, <http://www.esri.com/library/userconf/proc98/PROCEED/ABSTRACT/A247.HTM>
- Seiker, F., and Verworn, H.R. (eds.) (1996) *IAHR/IAWQ Proc. of the 7<sup>th</sup> Annual Conf. on Urban Storm Drainage*. Hannover, Germany. Vols. I, II, and III.
- Shamsi, U. M., Benner, S. P., and Fletcher, B. A. (1995) A Computer Mapping Program for Sewer Systems, chapter 7 in *Advances in Modeling the Management of Stormwater Impacts*, CHI: Guelph, Canada, W. James, Editor, 1995.
- Shamsi, U.M. (1997) SWMM Graphics. Chapter 7 in James, W. (Ed.), *Advances in Modeling the Management of Stormwater Impacts, Volume 5*. Computational Hydraulics International, Guelph, Ontario. p. 129-153.
- Shamsi, U.M. (1998) ArcView Applications in SWMM Modeling. Chapter 11 in James, W. (ed.) *Advances in Modeling the Management of Stormwater Impacts, Volume 6*. Computational Hydraulics International, Guelph, Ontario, Canada. p. 219-233.
- Shamsi, U.M., and Fletcher, B.A. (1996) Arcview Applications in Stormwater and Wastewater Management. In Hallam, C.A., Salisbury, J.M., Lanfear, K.J., and Battaglin, W.A. (eds.) *Proc. of the AWRA Annual Symposium: GIS and Water Resources*. American Water Resources Association, Herndon, VA. p. 259-268.
- Simonovic, S., Kundzewicz, Z., Rosbjerg, D., and Takeuchi, K. (eds.) (1995) *Modeling and Management of Sustainable Basin-Scale Water Resource Systems*. International Hydrologic Sciences Publication No. 231. IAHS Press, Wallingford, UK.
- Singh, V. P. and Fiorentino, M. (1996) *Geographical Information Systems in Hydrology*, Kluwer Academic Publishers, Boston, MA.
- Sorensen, H.R., Kjelds, J.T., Deckers, F., and Waardenburg, F. (1996) Application of

- GIS in Hydrological and Hydraulic Modeling: DLIS and MIKE11-GIS. In Kovar, K., and Nachtnebel, H.P. (eds.) *HydroGIS '96: Application of Geographic Information Systems in Hydrology and Water Resources Management*. International Association of Hydrologic Sciences Publication No. 235. IAHS Press, Wallingford, UK. p. 149-156.
- Sotic, A., Despotovic, J., Petrovic, J., Babic, B., Djukie, A., and Prodanovioc, D. (1998) Hydroinformatic Approach in Sewer System Design-Kumodraz case study. In Butler, D. and Maksimovic, C. (eds.) *UDM '98 Fourth International Conf. on Developments in Urban Drainage Modeling*. Imperial College of Science, Technology & Medicine, London, UK. p. 341-346.
- Sponemann, P., Beeneken, L., Fuchs, L., Prodanovic, D., and Schneider, S. (1996) Criteria for Geographic Information Systems Used in Urban Drainage. In Seiker, F., and Verworn, H.R. (eds.) (1996) *IAHR/IAWQ Proc. of the 7<sup>th</sup> Annual Conf. on Urban Storm Drainage*. Hannover, Germany. Vols. III. p. 1689-1694.
- Tchobanoglous, G. (1981) *Wastewater Engineering: Collection and Pumping of Wastewater*, McGraw-Hill, New York, New York.
- Tskhai, A., Shirokova, S., Konev, D., Koshelev, K., and Tskhai, T. (1995) GIS "Hydromonitoring" and Optimization Model of Enterprise Water Protection Activity. In Simonovic, S., Kundzewicz, Z., Rosbjerg, D., and Takeuchi, K. (eds.) *Modeling and Management of Sustainable Basin-Scale Water Resource Systems*. International Hydrologic Sciences Publication No. 231. IAHS Press, Wallingford, UK. p. 263-270.
- University of Texas (1998) Internet page: <http://www.crrw.utexas.edu/> The Center for Research in Water Resources.
- Urban Land Institute (1989) *Project Infrastructure Development Handbook*. Urban Land Institute, Washington, D.C.
- VanGelder, P., and Miller, M. (1996) GIS as an Aid in the Evaluation of Drainage Facilities at the Albany County Airport, New York. In Hallam, C.A., Salisbury, J.M., Lanfear, K.J., and Battaglin, W.A. (eds.) *Proc. of the AWRA Annual Symposium: GIS and Water Resources*. American Water Resources Association, Herndon, VA. p. 295-303.
- Walsh, M.R. (1993) Toward Spatial Decision Support Systems in Water Resources, *Journal of Water Resources Planning and Management*, 119 (2): 158-169.
- Wang, Y., and James, W. (1997) Integration of US Army Corps of Engineers' Time-Series Data Management System with Continuous SWMM Modeling. Chapter 2 in James, W. (Ed.) *Advances in Modeling the Management of Stormwater Impacts*, volume 5, Computational Hydraulics International, Guelph, Ontario, Canada.
- Wolf-Schumann, U., and Vaillant, S. (1996) Time View: A Times Series Management System for GIS and Hydrologic Systems. In Kovar, K., and Nachtnebel, H.P. (eds.) *HydroGIS '96: Application of Geographic Information Systems in Hydrology and Water Resources Management*. International Association of

- Hydrologic Sciences Publication No. 235. IAHS Press, Wallingford, UK. p. 79-87.
- Wright, L.T., Nix, S.J., Hassett, J.M. and Moffa, P.E. (1995) A Preliminary Urban Non-point Source Management Plan: A Modeling Approach. Chapter 4 in James, W. (ed.), *Modern Methods for Modeling the Management of Stormwater Impacts*. Computational Hydraulics International, Guelph, Ontario. p. 51-62.
- Xu, Z.X., Schultz, G.A., and Ito, K. (1998) GIS Application in a Watershed-Based Water Resources Management. In Butler, D. and Maksimovic, C. (eds.) *UDM '98 Fourth International Conf. on Developments in Urban Drainage Modeling*. Imperial College of Science, Technology & Medicine, London, UK. p. 487-494.
- Xue, R.Z., and Bechtel, T.J. (1997) Integration of Stormwater Runoff and Pollutant Model with BMP Assessment Model Using ArcView GIS. *Proc. of 1997 ESRI User Conference*. Internet file retrieved 11/6/98 from <http://www.esri.com/library/userconf/proc97/PROC97/TO700/PAP656/P656.HTM>
- Xue, R.Z., Bechtel, T.J., and Chen, Z. (1996) Developing a User-Friendly Tool for BMP Assessment Model Using a GIS. In Hallam, C.A., Salisbury, J.M., Lanfear, K.J., and Battaglin, W.A. (eds.) *Proc. of the AWRA Annual Symposium: GIS and Water Resources*. American Water Resources Association, Herndon, VA. p. 285-294.